

All signing and pavement marking must be designed and installed in conformance with the latest edition of the Manual on Uniform Traffic Control Devices. Reference is also made to the Signing and Marking Design Guidelines, current edition, which is available from the Office of Traffic Safety and Design.

## 5A SIGNING

All traffic signs shall be made using reflective sheeting mounted to aluminum panels (normally Type 1 panels) in accordance with Georgia Standard Specifications.

All sign posts to be placed within concrete area must have 6" wide diameter space through substructure.

All signs, except as noted below, shall be fabricated using Type III (High Intensity) reflective sheeting.

All warning signs, red series regulatory signs, including Stop, Yield, and Do Not Enter signs shall be fabricated from Type VI (Wide Angle Prismatic) reflective sheeting.

Stop signs and Yield signs on all approaches to State Highways shall be 36" in width.

"No Parking" signs, R8-3a (24"x24"), shall be installed on all deceleration lanes constructed in conjunction with driveway permits. One sign is required at the beginning of full-width deceleration lanes that are not longer than 200'. Additional signs should be installed for each additional 200' of length.

Signs installed in conjunction with driveway permits are installed using either Types 7, 8, or 9 Square Tubing. Table 5-1 provides guidelines for selecting the post type.

Signs shall be mounted at a height of 7 feet above the edge of pavement to bottom of the sign. Signs shall be setback from the edge of pavement by 12 feet or 6 feet from a paved shoulder (whichever is greater). The clearance to non-mountable curbs should be at least 2 feet.

## CHAPTER 5

### SIGNING AND MARKING



Sign Centroid	GROUND MOUNTED BREAKAWAY SIGN SUPPORT NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2" 14 GA.		Type 9 2-1/4" 14 ga.	TYPE 8 2-1/2" 12 ga.	TYPE 8 2-1/2" 12 ga.		TYPE 8 w/ TYPE 9 inset* 2-1/2" 12 ga. W/2-1/4" ga.		
	1 POST	2 POST	1 POST	1 POST	2 POST	3 POST	1 POST	2 POST	3 POST
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.50	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.980	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF THE SIGN.

EXAMPLE: 24" x 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) PLUS 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

\* TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT SHALL BE MEASURED PER EACH COMPLETE IN PLACE, AND SHALL BE PAID FOR AT THE UNIT PRICE. MEASUREMENT FOR PAYMENT SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, AND ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION.

**TABLE 5-1**

**TYPES OF POSTS FOR VARIOUS SIGNS**

## 5B PAVEMENT MARKING

Pavement markings are required to separate lanes of travel and should be used along all edges of pavement. The following guidelines are provided for designing and installing pavement markings for driveways:

- All pavement markings installed within the public right-of-way shall be thermoplastic material,
- Lane lines are generally 5" (white),
- Stop lines should be 24" (white),
- Center lines should be 5" double yellow,
- Deceleration lanes and left turn lanes should have turn arrows (TP 2) spaced every 100',
- Crosswalks should use the current Georgia DOT standard (see Figure 4-11).
- Refer to Pedestrian & Streetscape Guide